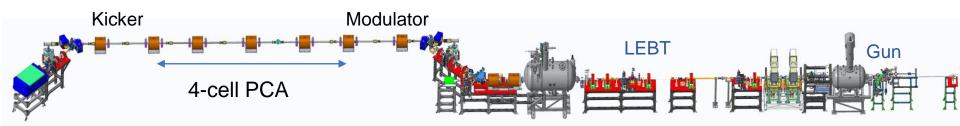
Status of Coherent electron Cooling Experiment





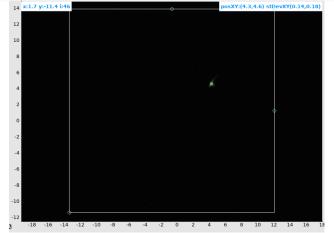
March 11

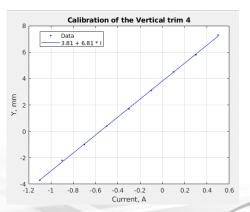


The goal of this shift was to phase linac, propagate beam to the high-power dump, check operation of the new equipment, and check possibility to operate in parallel with RHIC.

We establish that IR mirror can be inserted with standard fill pattern without loss increase.

Electron beam was propagated to the high-power dump without significant losses, we have measured response matrix and beam functions in the common section, and calibrated new trims.







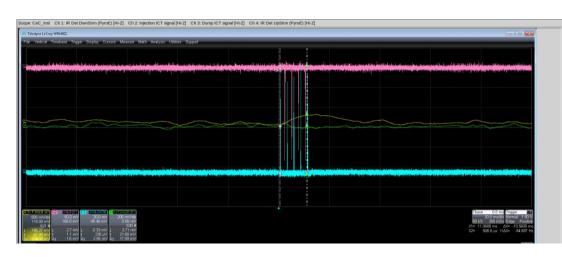


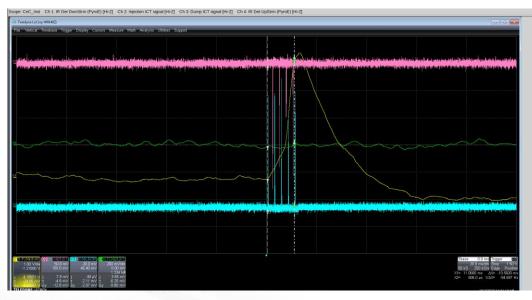
March 12

The main goals were high charge beam operation and observation of the IR signal.

High- charge beam was propagated to the high-power dump without significant losses. Infrared signal was observed with relaxed solenoids and with settings close to the plasma-cascade amplifier. Growth of the IR was observed.

We also cross calibrated ICT with Faraday cup in the dump.









What is next

- Find and eliminate leak in the dogleg
- Rotate profile monitor into the right position
- Connect the first dipole to the independent power supply
- Tune electron beam parameters (high charge, PCA lattice)
- Establish low-noise operation



